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MOLLUSCA

COMPILED BY

A. E. SALISBURY, A.M.I.E.E.

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1.—Recommendations and Opinions. "*Ammonites cordatus*" Sowerby 1813 Class Cephalopoda, Order Ammonoidea: designation of a lectotype under the plenary powers. [Lectotype fig. 4 pl. 17 vol. 1 Sowerby's Mineral Conchology of Great Britain 1813]. Bull. zool. Nomencl. 4 13/15 1950 pp. 392-393.

2.—"*Palaeoneilo*" Hall, 1869 (Class Pelecypoda, Order Protobranchia): emendation to "*Palaeoneilo*" under Article 19. [*Palaeoneilo* to stand type *Nuculites constricta* Conrad 1842]. Bull. zool. Nomencl. 4 13/15 1950 pp. 399-400.

3.—"*Erycina*" Lamarck 1805 (Class Pelecypoda Order Heterodonta): designation of type species under the plenary powers. [Type *Erycina pellucida* Lk. 1805]. Bull. zool. Nomencl. 4 13/15 1950 pp. 417-418.

4.—The trivial name "*mcFarlandi*" as published in the binominal combination "*Chromodoris mcFarlandi*" (Class gastropoda Order Opisthobranchia): emendation of, to "*mcFarlandi*" under Article 19 [emendation confirmed]. Bull. zool. Nomencl. 4 13/15 1950 pp. 430-431.

5.—"*Anomia pecten*" Linnaeus 1758 identification of, under the plenary powers, with the species of the Order Protremata, Class Brachiopoda commonly known as "*Strophomena pecten*" (Linnaeus 1758). Bull. zool. Nomencl. 4 13/15 1950 pp. 435-436.

6.—"*Aturoidea*" a term applied by Vredenberg (1925) to a "section" of the genus *Nautilus* Linnaeus 1758 Class Cephalopoda, Order Nautiloidea: declared to be of sub-generic status as from date of being so published. Bull. zool. Nomencl. 4 13/15 1950 pp. 44-443.

7.—Martin (W.) 1793 "Fig. Descr. Petrif. Derbyshire" and 1809 "Petrificata Derbiensis" declared not available for nomenclatorial purposes. Bull. zool. Nomencl. 4 16/18 1950 pp. 450-452.

8.—Schneider (J. G.) 1784, "Samml. Abhandl. Aufklar. Zoologie Handlungsgeschichte (1) suppression under the plenary powers of the generic name "*Octopodia*" Schneider and of five trivial names published in that genus; (2) Eight reputed generic names declared to be cheironyms; (3) *Octopus* Cuvier [1797] and "*Eledone*" Leach 1817 placed on the Official List of generic Names in Zoology. Bull. zool. Nomencl. 4 19/21 1950 pp. 586-590.

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10.—Abbott, R. T. In search of the golden cowrie. Nat. Hist., N.Y. 60 1951 pp. 104-110, 144 10 figs.

11.—Abbott, R. T. Operation snail-folk. Nat. Hist., N.Y. 60 1951 pp. 280-285 6 figs.

12.—Abbott, R. T. The use of infra-specific names in Dr. de la Torre's essay on *Polymita*. Nautilus, Philad. 64 1951 pp. 103-104.

13.—Abbott, R. T. New deep-water olivellas from Florida, with notes on the *O. jaspidea-nivea* complex. Nautilus Philad. 64 1951 pp. 110-116 pl. 7.

14.—Abbott, R. T. Eastern Pacific *Poromya* and *Cetoconcha* names. Nautilus, Philad. 65 1951 p. 33.

Abbott, R. T. see Rehder, H. A.

15.—Abbott, R. T. & Ladd, H. S. A new brackish-water gastropod from Texas (Amnicolidae: Littoridina). J. Wash. Acad. Sci. 41 1951 pp. 335-338 12 figs.

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Cambrian.—Cambrian of East Colombia. Indetermined Gastropods and Cephalopods, H. J. HARRINGTON & M. KAY 283; Lower Cambrian in Washington, V. J. OKULITCH 497; New Cambrian fossils, Argentina, C. RUSCONI 582.

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Note.—The arrangement here used follows in general that of Thiele's *Handbuch*. The most important differences are that Epitonacea and Pyramidellacea are placed immediately preceding Muriacea in order of grouping and the families Triviidae and Eratoidae are placed in Lamellariacea.

Where more than one page is given in a reference, the one in roman type is where the new name is first mentioned and the one in *italic* is where the genus or var. is actually described.

POLYPLACOPHORA

CHITONACEA

†*Archinacella explanata* sp. nov. Lowville, Ontario. Palaeozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 17 pl. 1, f. 7, 8.

Ischnochiton crockeri Willett sp. nov. Exped. W. Coast Mexico and Central America, G. WILLETT see Hertlein & Strong Zoologica N.Y. 36 1951 p. 114 pl. xi f. 12.

†*Macroscenella* gen. nov. genotype *Metoptoma superba* Leray-Rockland beds, Allumette Is., Ottawa River. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 pp. 18-19, pl. 1, f. 19-21.

Mopalia cithara sp. nov. S.-E. shore Round Id. Clayoquot Sd. Vancouver Id., British Columbia, S. S. BERRY Proc. Malac. Soc. London 28 6 1951 pp. 220, 221, 222 pl. 26 f. 16-18 text-figs. 1-8.

Notoplax umgaziana sp. nov. near the Umgazana River S. Africa, H. S. KOCH Proc. Malac. Soc. London 28 6 1951 p. 211 pls. 23-25.

Trachydermon cinereum, O. D. SCHUSTER 601.

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†*Eotomaria dryope plana* var. nov. Leray-Rockland beds, Paquette Rapids, Ottawa River. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 54 pl. ix f. 13-15.

†*Euomphalus bicavatus* sp. nov. Devonian Germany, J. SPRIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942 p. 161 pl. 2 f. 6.

Fissurella beebei sp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 113 pl. x f. 3-5; *F. nubecula* a few individuals are protandric hermaphrodites the majority being gonochorists, G. MONIALENTI & G. BACCI 470.

†*Fuchsella* gen. nov. of Bellerophonitidae for *F. macrostomoides*, *F. hians*, *F. gosleriensis*, J. SPRIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942 p. 156 text-fig. 16, 6-8 pl. 1 f. 11, 12.

Haliotis gigantea, *H. g. sieboldi* Rve., *H. g. discus* Roe, *H. kamchatkana* Jonas, evidence of food as found by examination of digestive canals, S. UEDA & G. OKADA 660; *Haliotis* in collection of W. J. EYERDAM and records on the West Coast of N. America, W. S. EYERDAM 201; *Haliotis* biometrical studies of the shell, T. YAMAMOTO 710; *Haliotis* Notes on certain species, J. L. BAILY, JR. 49; *Haliotis* New Records for West Coasts, W. J. EYERDAM 201; *H. gigantea discus* Reeve, Feeding and growth in Japan, T. INO 323.

Hemitoma chiquita sp. nov. exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 113 pl. x f. 2, 7, 10.

†*Hormotona salteri ottawaensis* Cobourg beds, Ottawa, p. 42, pl. VI f. 3, 4; *H. simplex paquetensis* Leray-Rockland beds, Allumette Is., Ottawa River p. 43 pl. iv f. 20, 21 vars. nov. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17; *H. trentonensis crassa*, Cobourg beds, W. of Fifth Avenue, Ottawa, p. 44, pl. vi f. 5-7; *H. t. plana* Cobourg beds, Ottawa, p. 45 pl. viii f. 1-4 vars. nov. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17.

†*Leptomaria magneti* sp. nov. Albian Madagascar, M. COLLIGNON Ann. Géol. Serv. Mines Madagascar 16 1949 p. 33 pl. v f. 13-13b; *L. texta* sp. nov. Jurassic Madagascar, G. DELPEY Ann. Géol. Serv. Mines Madagascar 15 1948 pp. 8, 9 pl. ii f. 1.

†*Lophospira angustina* var. nov. Cobourg beds. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 34 pl. iii f. 8.

†*Patellostium lenneanum* sp. nov. Devonian Germany, J. SPRIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942 155.

†*Phragmostoma nassovicum* p. 152 pl. 2 f. 1; *P. westfalicum* p. 153 pl. 2 f. 3-5; spp. nov. Devonian Germany, J. SPRIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942.

†*Pleurotomaria hourqi* sp. nov. Fossils of south-west Madagascar, M. NICOLAI Ann. Paléont. 37 1 1951 p. 24 pl. v f. 8.

†*Raphistomina aperta ampla* var. nov. Leray-Rockland beds, Paquette Rapids, Ottawa River. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 67 pl. xii f. 4-6.

†*Salpingostoma billingsi* sp. nov. Leray beds, Ontario. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 28 pl. iii f. 1-3.

†*Sinuities cancellatus angularis* var. nov. Cobourg beds? Ottawa p. 25 pl. ii, f. 13; *S. c. liratus* nom. nov. Cobourg beds, Parliament Hill, Ontario, p. 26, pl. ii f. 14. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17.

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Prosobranchiata of Tropical West Africa Development, J. KNUDSEN 374.

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†*Micropileus* gen. nov. genotype, *M. obesus* sp. nov. Lowville beds, Ontario. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 pp. 19-20 pl. i f. 11-12.

†*Micropileus ottawanus* sp. nov. Lowville beds, Ontario. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 20 pl. i f. 13, 14.

Patella, The relation of the radula fraction to environment, BRIAN & OWEN 95; *P. vulgata* artificial fertilization and rearing of larvae, J. M. DODD 177; *Patella* from the Biarritz filter basin figs., B. S. KISCH 369; *P. coerulea* sex-change, few individuals remaining males, G. MONTAHEMTI & G. BACCI 470; *P. vulgata*, O. D. SCHUSTER 601.

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Antimargarita gen. nov. Trochidae type *Valvatella dulcis* Smith A. W. B. POWELL Discovery Reports 26 1951 p. 100.

Brookula pfefferi f. 8; *B. strebeli* f. 7 spp. nov. off Stromness Harbour, South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 104 pl. v.

Calliostoma (Eutrochus) jujubinum adelaie var. nov. Indian Key Florida Nautilus, Philad. 64 4 1951 p. 119, pl. 8 f. 4, 5.

†*Calliostoma elegans* sp. nov. Lower Cretaceous Madagascar, G. DELPEY Ann. Géol. Serv. Mines Madagascar 15 1948 pp. 14 17 pl. iii f. 11; *C. politum* sp. nov. Jurassic Madagascar, G. DELPEY Ann. Géol. Serv. Mines Madagascar 15 1948 pp. 7 9 pl. i f. 9.

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Cyclostrema gordana sp. nov. Exped. W. Coast, Mexico and Central America HERTLEIN & STRONG Zoologica N.Y. 36 1951 110 pl. ix f. 3, 4, 7.

Cyclostremiscus humboldti sp. nov. exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 110 pl. x f. 1.

†*Euchelus lenoblei* sp. n. Albian Madagascar, M. COLLIGNON Ann. Géol. Serv. Mines Madagascar 16 1949 p. 34 pl. v f. 14, 14a.

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Leptocollonia gen. nov. Turbinidae type *Leptocollonia thielei* sp. nov. fauss Station, Antarctic, A. W. B. POWELL Discovery Reports 26 1951 p. 105 pl. v, f. 9.

Leptothyra morini sp. nov. In some abundance from St. Brandon Ids. of Cargados Carajos Archipelago, R. VIADER Mauritius Inst. Bull. 3 2 1951 p. 150 pl. iv f. 7-8.

Leucosyrinx paratenoceras between Penguin I. and Lion's Rump, King George's I. S. Shetland Is. p. 168 pl. ix f. 45; *L. paragenota* Burdwood Bank, South of Falkland Is. p. 169 pl. ix f. 56; *L. falklandica* N. of Falkland Is. p. 169 pl. ix f. 55 spp. nov. A. W. B. POWELL Discovery Report 26 1951.

Macrarene gen. nov. p. 110 Liotiidae genotype *Liotia (Arene) californica* Dall 1908 'Albatross' Exped., HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Margarella jason p. 97, pl. v, f. 1, 2, 7 m. S. 85° E of Jason Lt., South Georgia 238-270 m.; *M. bouvetia* p. 97, pl. v, f. 3 1 m. E. of Bouvet Is. 40-45 m.; *M. porcellana* p. 98 pl. v f. 2, off Marion I. 46° S, 37° E approx. spp. nov. A. W. B. POWELL Discovery Reports 26 1951; *Margarella (Promargarita) tropidophoroides obsoleta* subsp. nov. E. Cumberland Bay ¼ m S. of Hope Pt., South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 99 pl. v f. 4.

†*Nododelphinula madagascariensis*
Jurassic Madagascar, G. DELPEY Ann.
géol. Serv. Mines Madagascar 15 1948
pp. 79 pl. i f. 8.

Photinastoma gen. nov. Trochidae
type *Trochus taeniatus* Wood type
locality here designated as Port Stanley,
Falkland Is., A. W. B. POWELL Dis-
covery Reports 26 1951 p. 94.

†*Scaliconus* nom. nov. for *Pileolus*
Spriestersbach 1919, non Sowerby, J.
SPRIESTERSBACH Abh. Reichsamte f.
Bodenforschung N.F. 203 1942 p. 163.

Scissclabra martensiana sp. nov.
Exped. W. Coast Mexico and Central
America, HERTLEIN & STRONG Zoo-
logica N.Y. 36 1951 p. 111 pl. ix f. 1, 5,
10.

Solariella kemp sp. nov. between
Falkland Is. and Argentina 45° 13' S. &
59° 56' 30" W., A. W. B. POWELL Dis-
covery Reports 26 1951 p. 102 pl. i f. 6.

Solariellinae subfam. nov., Trochidae
for group of genera *Solariella*, *Machaeroplax*
and *Cidarina*, A. W. B. POWELL
Discovery Reports 26 1951 p. 102.

Teinostoma herbertiana p. 112 pl. ix
f. 8, 11, 12; *T. zacae* p. 112 pl. x f. 11-13;
spp. nov. Exped. W. Coast Mexico and
Central America, HERTLEIN & STRONG
Zoologica N.Y. 36 1951.

Tropidomarga gen. nov. Trochidae
type *Tropidomarga biangulata* sp. nov.
N.E. of Cumberland Bay, South
Georgia 53° 53' 30" S, 36° 08' W, 160 m.,
A. W. B. POWELL Discovery Reports 26
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†*Turboidea lamelliphoroides* sp. nov.
Lower Cretaceous Madagascar, G. DEL-
PEY Ann. géol. Serv. Mines Madagascar
15 1948 pp. 14 17 pl. iii f. 12.

Umbonium moniferum costatum an
enemy of Clam culture in Japan fig.,
A. R. CAHN 105.

Venustatrochus gen. nov. Trochidae
type *V. georgianus* sp. nov. off mouth of
Cumberland Bay, South Georgia from
6.3 miles N 89° E. of Jason Lt. to 4
miles N. 39° E of Jason Lt. 120-204 m.,
A. W. B. POWELL Discovery Reports 26
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LIXONEMATACEA

†*Loxonema (Zygopleura) westfalicum*
sp. nov. Ordovician Europe, G. DAHMER
Palaeontog. Stuttgart 101A 1-4 1951
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NERITACEA

†*Colpomphalus altus* pp. 7, 8 pl. i f. 1
Jurassic Madagascar, G. DELPEY Ann.
géol. Serv. Mines Madagascar 15 1948.

Helicina (Helicina) munda sp. nov.
from Ayacocha, near Huánuco, Peru,
F. HAAS Fieldiana, Zool. 31 46 1951
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pods for *Lepyrrium* Dall., H. A. PILSBRY
& A. A. OLSSON Notul. Nat. Philad. 233
1951 1 figs.

Theodoxus fluvialis (L.) on the homo-
logies of the oesophageal glands figs.,
M. B. WHITAKER 692.

†*Theodoxus turrilavicus microstria-
tus*; *T. zografi rotundatus* subsp. nov.
Pannonian Vienna Basin, A. PAPF
Mitt. geol. Ges. Wien 39-41 (1946-49)
1951 p. 109.

CYCLOPHORACEA

Annularia barkeri sp. nov. limestone
cave in the Sierra Cachiri N. W. of
Maracaibo, district of Mara, Zulia State
Venezuela, F. HAAS Fieldiana, Zool. 31
46 1951 p. 505 f. 97.

Avalycacus abei gen. et sp. nov.
Japan, F. KURODA Venus 16 5-8 1951
p. 73 figs.

†*Lioplacodes canaliculatus* sp. nov.
Trias Northern Arizona, T.-C. YEN
Amer. J. Sci. 249 9 1951 pp. 671, 674
pl. 1 f. 13-19.

Pila virens Lk. and vitamin C content,
V. R. MEENAKSHI 453; *P. nyanzae*
Smith, type figs., T. PAIN 508.

Viviparus contectoides in New York
City, D. D. FREAS 230; *V. malleatus*
maximum life is 4 years for males and
5 years for females, N. NIWA 492.

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Valvata utakensis horatii subsp. nov.
Lifton, Ideal Beach, Utah, J. L. & R. I.
BAILY Nautilus, Philad. 65 2 1951 p. 50
pl. 4 f. 5, 5a.

†*Valvata helicoides* Forbes Alleged
Jurassic of Fezzan, W. J. ARKELL 26.

LITTORINACEA

Corneolitorina subgen. nov. *Laevili-
torina* type *Laevilitorina coriacea*
Melv. & Stan. Scotia Bay, South
Orkneys 5-10 fms., A. W. B. POWELL
Discovery Reports 26 1951 p. 108.

Laevilacunaria gen. nov. Lithorinidae type *Pellilitorina bransfieldensis* Preston from stomachs of fish taken in Bransfield Strs, off Deception I., South Shetlands, A. W. B. POWELL Discovery Reports 26 1951 p. 108.

Littorana neritoides, *L. saxatilis* f. *tenebrosa* figs., L. KUNZE 400; *L. irrorata* (Say) histology of alimentary tract, H. S. WERNER 691.

Pellilacunella subgen. nov. *Laevilacunaria* gen. nov. [q.v.] subgenotype *Pellilitorina bennetti* Preston Bransfield Strait, South Shetlands, on seaweed, 15 fms., A. W. B. POWELL Discovery Reports 26 1951 p. 109.

Risella isseli mauritiana var. nov. common under stone or coral blocks at low tide at Cannoniers Point, Mauritius, R. VIADER Mauritius Inst. Bull. 3 2 1951 p. 149 pl. iii f. 10, 11.

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†*Adeorbis ammonoides* sp. nov. Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. Geol. Publ. Hungarica 39 2 1950 p. 23 pl. i f. 8.

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Amnicolidae of N.-E. Brazil, D. T. DE LUCANA 426.

Anabathron nothrus sp. nov. North Harbour, C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 275 f. 58.

Bythynia alberti Smith in Lake Kivu, B. VERDCOURT 665.

Bythinella steini occurring at Blekinge, Öland and Vatterbygden, T. GISLÉN 254.

†*Cinula castanea* sp. nov. upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 30 pl. vii f. 9.

Estea castella p. 268 f. 32 30-35 fms. off Crookhaven; *E. jervaisensis* p. 269 f. 34 beach at Huskisson, Jervis Bay; *E.*

albizona p. 270 f. 38 Pt. Halliday; *E. narrabeensis* p. 27 f. 39 Long Reef; *E. figula* p. 270 f. 41, Twofold Bay 15-25 fms.; *E. gemma* p. 271 f. 43 Crookhaven Heads; *E. gregaria* p. 271 f. 44 North Harbour; *E. alvea* p. 271 f. 45 North Harbour spp. nov. C. F. LASERON Rec. Aust. Mus. 22 3 1951.

Haurakia lucida sp. nov. loc. ? C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 265 f. 20.

Laevitesta gen. nov. Rissoidae type *Laevitesta scobina* sp. nov. Bayview Pittwater, C. F. LASERON, Rec. Aust. Mus. 22 3 1951 p. 286 f. 94.

Lartetia zhemana n. sp. see Arch. Moll. 67, 20-33, L. HASSLEIN 289.

Lironoba hebes sp. nov. 14 fms. off Long Reef, C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 267 f. 28.

Merelina subreticulata p. 264 f. 15 6-9 fms. Sow & Pigs Reef, Ocean Beach, Manly, C. F. LASERON Rec. Aust. Mus. 22 1 1951.

Microdryas gen. nov. Rissoidae type *Cingula australiae* Frauenfeld p. 277 f. 65; *M. elongata* sp. nov. Narrabeen p. 278 f. 66, C. F. LASERON Rec. Aust. Mus. 22 3 1951.

Microfossa gen. nov. Rissoidae type *Subanaea incidata* Frauenfeld, C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 267 f. 21.

Notosetia fulva p. 279, f. 69 Long Reef; *N. pellucida* p. 280 f. 72 North Harbour; *N. fusca* p. 280 f. 74 North Harbour; *N. aethiopa* p. 280 f. 75 North Harbour; *N. galbina* p. 281 f. 76 North Harbour; *N. castanea* p. 281 f. 78 North Harbour spp. nov. C. F. LASERON Rec. Aust. Mus. 22 3 1951.

Oncomelania nosophora life history and ecology, of this intermediate host of *Schistosoma* in Japan, McMULLEN, KOMIYAMA & ENDO-ITABASHI 436; *O. quadrasi* chemical control relative to Schistosomiasis, P. RESIGAN & V. A. MASILUNGAN 522; *O. nosophora*, L. S. RITCHIE, G. W. HUNTER & Y. OTORI 570.

Onoba striata (Mont.) eggs and larvae figs., E. RASMUSSEN 549.

Paranoba gen. nov. Rissoidae type *Paranoba subquadrata* sp. nov. C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 283 f. 84.

Potamopyrgus jenkinsi E. A. Smith figs. showing form variation, C. R. BOETTGER Arch. Molluskenk. 80 1/3 1951 pl. 4.

Pyrgulopsis nevadensis paintica subsp. nov. Pyramid Lake, J. L. & R. I. BAILY Nautilus, Philad. 65 2 1951 p. 52 pl. 4 f. 43.

†*Rissoa hourcqii* sp. nov. Lower Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 14, 19 pl. iv f. 5; *R. hidasensis* sp. nov. Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 22 pl. i f. 2.

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Rissopsis puniceus sp. nov. Port Stephens, C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 283 f. 82.

Saltatrix gen. nov. Rissoiidae type *Epigrus protractus* Hedley, C. F. LASERON Rec. Aust. Mus. 22 3 1951 p. 277 f. 63.

Scrobs vincula p. 274 f. 51 North Harbour; *S. delta* p. 274 f. 53 Long Reef; *S. pyramis* p. 274 f. 541, Ocean Beach, Manly; *S. pluteus* p. 275 f. 55 Sow & Pigs Reef spp. nov. C. F. LASERON Rec. Aust. Mus. 22 3 1951.

Stenothyra austini sp. nov. San Joaquin Estuary, New Stenothyrid Gastropods from the Philippine Islands, R. T. ABBOTT J. Wash. Acad. Sci. 41 1 1951 p. 14 figs. 1, 3-7; *S. austini clarki* subsp. nov. Mindoro Island, New Stenothyrid gastropods from the Philippine Islands, R. T. ABBOTT J. Wash. Acad. Sci. 41 1 1951 p. 16 fig. 2.

Stiva nielsenii sp. nov. 30-35 fms. off Crookhaven, C. F. LASERON Rec. Aust. Mus. 22 3 1950 p. 263 f. 12.

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†*Triasamnicola assiminioides* sp. nov. Trias, Northern Arizona, T.-C. YEN Amer. J. Sci. 249 9 1951 pp. 671-673 pl. 1 f. 6-10.

Woodringilla gen. nov. of *Vitrinellidae*, type *W. glyptylus* sp. nov. Ecuador, H. R. PILSBRY & A. A. OLSSON Nautilus Philad. 65 2 1951 p. 43.

CERITHIACEA

Binda gen. nov. of *Cerithiidae* genotype *B. tasmanis* sp. nov. 30-35 fms. off Crookhaven N.S.W. C. F. LASERON Aust. Zool. 11 1951 pp. 361, 362 f. 25.

Bitium (*Lirobitium*) *arenaense* sp. nov. Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 107 pl. vii f. 8.

Caecum biminicola sp. nov. Bimini Islands, H. A. PILSBRY Nautilus, Philad. 65 2 1951 p. 69.

†*Campanile* (*Diozopteryx*) *hourcqii* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. Géol. Serv. Mines Madagascar 15 1948 pp. 22 28 pl. vi f. 10-12.

†*Cerithiella* (*Fibula*) *terebriiformis* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. Géol. Serv. Mines Madagascar 15 1948 pp. 22 28 pl. vii f. 1.

Cerithiopsis quatulcoensis p. 106 pl. vii f. 7; *C. guanacastensis* p. 106 pl. vii f. 10; *C. perrini* p. 106 pl. vii f. 5; *C. oaxacana* p. 107 pl. vii f. 4, spp. nov. Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951; *C. jacksonensis* p. 354 f. 1, 1a; *C. quadrispiralis* p. 354 f. 2, 2a; *C. gregaria* p. 354 f. 3, 3a; *C. tripilia* p. 355 f. 5; *C. clava* p. 355 f. 6, 6a; *C. crassa* p. 356 f. 7, 7a; *C. filofusca* p. 356 f. 9, 9a; *C. hebes* p. 356 f. 8, 8a; *C. quinquepilula* p. 357 f. 10, 10a; *C. cancellata* p. 357 f. 11; *C. alternata* p. 351 f. 12; *C. infracolor* p. 357 f. 13; *C. septapilula* p. 358 f. 14; *C. bicarinata* p. 357 f. 16; *C. macalpinei* p. 359 f. 17, 40; *C. georgensis* p. 359 f. 18, 18a; *C. exigua* p. 359 f. 19, 19a; *C. litalis* p. 360 f. 20, 20a; *C. exilis* p. 360 f. 23; *C. virgula* p. 360 f. 26, 26a spp. nov. New South Wales, C. F. LASERON Aust. Zool. 11 1951; *C. tubercularis* (Mont.) life history—functional morphology, V. FRETTER 233.

†*Cerithium coxi* p. 35 pl. v, f. 8; *C. delpeyae* p. 36 pl. v f. 9 spp. nov. Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949.

Colpospirella gen. nov. Turritellidae type *Turritella algida* Melvill & Standen Burdwood Bank, South of the Falkland Is. 56 fms., A. W. B. POWELL Discovery Report 26 1951 p. 113.

†*Confusiscala collignoni* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22, 25 pl. v f. 7.

Contumax hedleyi sp. nov. Cubatches and Savinia, Mauritius, R. VIADER Mauritius Inst. Bull. 3 2 1951 p. 148 pl. iv f. 14.

Diala lirata sp. nov. Toronto, Lake Macquarie, C. F. LASERON Rec. Aust. Mus. 22 3 1950 p. 285 f. 90.

Euseila gen. nov. Cerithiopsidae type *Euseila pileata* sp. nov. South Australia 300 fms., B. C. COTTON Rec. S. Aust. Mus. 9 4 1951 387 pl. 28 f. 2, 3.

Joculator introspecta p. 389 pl. 28 f. 5 N.W. of Cape Borda 55 fms.; *J. flindersi* p. 390 pl. 28 f. 6 N.W. of Cape Borda 55 fms. spp. nov. B. C. COTTON Rec. S. Aust. Mus. 9 4 1951; *J. hedleyi* p. 362 f. 27; *J. minor* p. 362 f. 28; *J. nanus* p. 353 f. 29; *J. gracilis* p. 363 f. 30, 31 spp. nov. N.S.W., C. F. LASERON Aust. Zool. 11 1951.

Melania tuberculata a useful snail in Aquaria fig., M. DOMINIC 179.

†*Melanopsis impressa posterior* subsp. nov. Pannonian Vienna Basin, A. PAPP Mitt. geol. Ges. Wien 39-41 (1946-49) 1951 p. 124.

†*Nerinea ampandrabensis* sp. nov. Jurassic Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 7, 12 pl. ii f. 8; *N. pre-olisiponensis* sp. nov. Lower Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 14 20 pl. iv f. 8-9.

†*Nerinella andranobilensis* sp. nov. Jurassic Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 7, 12 pl. ii f. 6.

†*Nummocalcar hourcqi* sp. nov. Jurassic Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 7, 8 pl. i f. 2-4.

Obtorsio [? *Obtortio*] *jacksonensis* p. 282 f. 80 Pt. Jackson 18 fms.; *O. reticulata* p. 282 f. 81; Middle Harbour Pt. Jackson spp. nov. C. F. LASERON Rec. Aust. Mus. 22 3 1951.

Paraseila gen. nov. Cerithiidae genotype *P. heronensis* sp. nov. Heron Island under coral blocks (Capricorn Group), C. F. LASERON Aust. Zool. 11 1951 p. 367 f. 39, 39a.

Pilaflexis type *regularis* Cerithiopsidae gen. et sp. nov. f. 21, 21a 8-10 fms. off Point Halliday N.S.W.; *P. oculis* sp. nov. f. 22, 22a 6 fms. Doll's Pt. Georges R. N.S.W., C. F. LASERON Aust. Zool. 11 1951 p. 361.

Plotia genotype *Plotia lineata* Bolten & Röding a synonym of *Trochus dolabratus* L. 1758 and is genotype of *Pyramidella*, L. FORCART 223.

Pleurocera Rafinesque 1818 on the use of the name, J. L. BAILY 45.

Promathildia tongoboryensis Jurassic Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 7, 10 pl. ii f. 3.

Seila maculosa p. 364 f. 33; *S. magna* p. 365 f. 35; *S. nigrofusca* p. 366 f. 37; *S. tenuis* p. 366 f. 38 spp. nov. New South Wales, C. F. LASERON Aust. Zool. 11 1951.

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Serpulorbis aatearoicus sp. nov. New Zealand, J. F. MORTON Trans. Proc. roy. Soc. N.Z. 79 1 1950 p. 5 pl. 3 f. 19-24.

†*Solarium bassae* sp. nov. Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 35 pl. v f. 15-15b.

Specula regina sp. nov. King George Sound Beach, B. C. COTTON Rec. S. Aust. Mus. 9 4 1951 385 pl. 28 f. 7.

Triphora perversa (L.) life history and functional morphology, V. FRETTER 233.

†*Trochalia squamosa* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 28 pl. vi f. 8, 9.

Turritella clarionensis sp. nov. Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 108 pl. ii f. 13.

†*Turritella (Zaria) bonei* supposed Cretaceous of São Nicolau Island (Cape Verde Is.), J. B. BEBIANO & J. M. P. SOARES 67.

Vermicularia fargoi sp. nov. common in Tampa Bay, Fla., A. A. OLSSON Nautilus, Philad. 65 1 1951 p. 7 pl. 1 f. 7, 8.

Zaclys styliferus sp. nov. Cape Borda 55 fms., B. C. COTTON Rec. S. Aust. Mus. 9 4 1951 p. 392 pl. 28 f. 1.

AMALTHEACEA

†*Fossarus besairiei* sp. nov. Lower Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 14, 16 pl. iii f. 8.

Vanikoro galapagana sp. nov. Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 110 pl. xi f. 7, 8.

CALYPTRAEACEA

Antitrichotropis gen. nov. Trichotropidae type *Trichotropis antarctica* Thiele 1912 Gauss Station, Davis Sea, A. W. B. POWELL Discovery Reports 26 1951 p. 123.

Calyptrea chinensis (L.) in Bay of Naples, sexual phases, all functional males in first year—female in second and third years of life, G. BACCI & O. PELLEGRINI 36; *C. chinensis* (L.), G. BACCI 35; *C. chinensis* Hermaphroditism, PELLEGRINI 519; *Calyptrea* systematics and phylogeny, A. H. FISCHER 215.

Crepidula coei sp. nov. Vicinity of Sunset Beach, Orange Co., California, S. S. BERRY Leaflets in Malacology Nov. 1950 1 8 p. 36; *C. fornicata* (L.) life history and breeding in the R. Blackwater Essex, P. N. J. CHIPPERFIELD 120; *C. fornicata* in Tor Bay, W. D. LANE 410; *C. fornicata*, B. WERNER 690; *C. fornicata* and further invasion of Europe, I. HESSLAND 303; *C. fornicata* in Oyster beds, P. KORRINGA 392.

Discotrichoconcha gen. nov. Trichotropidae type *Discotrichoconcha cornea* sp. nov. Schollaert Channel, Palmer Archipelago, A. W. B. POWELL Discovery Reports 26 1951 p. 125 pl. vii f. 21.

Hercynella a Cryptodont, its systematic position, H. & G. TERMIER 805

†*Platyceras* ? *perplexa* sp. nov. Cobourg beds, at the dam west of Alexandria, Ontario. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 pl. ii f. 1, 2.

Trochita georgiana sp. nov. near Shag Rocks, West of South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 127 pl. iii f. 22.

STROMBACEA

†*Dicroloma longitudinalis* p. 7 *Dicroloma-Harpagodes longitudinalis* p. 12 Jurassic Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pl. ii f. 4–5.

†*Onustus coelatus* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 23 pl. v f. 1.

Pellicaria vermis is confined to the North Island, N.Z. accompanying in general the more common *Strutholaria papulosa* and is also more tolerant of muddy conditions occurring at Waikohai in Manukau Harbour where *Strutholaria* does not occur. (J. E. Morton Z.R. 1950 475).

†*Perissoptera striata* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 26 pl. v f. 9–11.

†*Perissoptera besairiei* sp. nov. Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 37 pl. iv f. 22–26.

†*Pterodonta besairiri* sp. nov. Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 39 pl. iv f. 27.

†*Pagnellus nitidus* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 27 pl. v f. 12–13.

Strombus bituberculatus Lk. on the small race from Lake Worth, B. R. BALES 53; *S. pugilis alatus* L. in South Carolina, S. A. BENNETT 73; *S. gallus* L. juvenile forms, figs., J. FINLAY 212; *S. thersites* Swainson designation of Lectotype, figs., G. L. WILKINS 695.

Strutholaria papulosa occurs widely throughout New Zealand and extends to the Kermadec Islands (J. E. Morton Z.R. 1950 475).

Strutholariidae Ecology and Digestive system, J. E. MORTON 475.

ATLANTIDACEA

Pterotrachea coronata Forskal genital apparatus figs., A. FRANCO & M. GABE 226.

Pterotrachea (Firola) mutica Lessieur, genital organs, M. GABE 242.

NATICACEA

Falsilunatia gen. nov. Naticidae type *Natica soluta* Gould 1848, Southern Coast of South America, A. W. B. POWELL Discovery Reports 26 1951 p. 119.

Kerguelenatica subgen. nov. *Amauropis* Naticidae, subgenotype *Natica grisea* Martens 1878, Kerguelen I., A. W. B. POWELL Discovery Reports 26 1951 p. 117 pl. x f. 60.

Natica maculosa an enemy to Clam culture in Japan fig, A. R. CAHN 105; *N. affinis* or *Lunatica pallida*—hole bored in the egg capsule of *Sipho curtus* fig., A. S. JENSEN 342; *Natica*, method of boring, A. S. JENSEN 342.

Naticidae—On the means by which boring is effected, A. S. JENSEN 342.

Polynices didyma an enemy to Clam culture in Japan, fig., A. R. CAHN 105.

Sinuber gen. nov. Naticidae type *Natica sculpta* Mortens Kerguelen I. with *S. s. scotiana* subsp. nov. p. 120 pl. v f. 10 South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 120.

LAMELLARIACEA

Caledoniella montrouzieri Souv. commensal on stomatopod Crustacea, L. B. HOLTHUIS 309.

Erato voluta feeding on *Botryllus* fig., V. FRETTER 235.

CYPRAEACEA

Cypraea aurantium, R. T. ABBOTT 10.

Cypraeidae of the Solomons and Papua—List of species collected, W. J. EYERDAM 202; Cypraeidae feeding habits of British species, V. FRETTER 235; Cypraeidae on their systematics, habits and habitats, transformation, use, dissolving of shell, H. C. RAY 553.

TONNACEA

Distorsio constricta floridana subsp. nov. off Palm Beach, Florida 30–40 fms., A. A. OLSSON & T. H. MCGINTY Nautilus Philad. 65 1 1951 p. 27 pl. 1 f. 5, 6, 9.

PTENOGLOSSA

EPITONIACEA

Acirsa annectens sp. nov. N. of Falkland Is., A. W. B. POWELL Discovery Reports 26 1951 p. 115 pl. vii f. 23.

†*Acirsa plana* sp. nov. Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 33 pl. ii f. 6.

Clathrus venado sp. nov. one specimen from Venado Beach, Panama City, A. A. OLSSON & MAXWELL SMITH Nautilus, Philad. 65 2 1951 p. 45 pl. 3 f. 5.

Dentiscala clarki sp. nov. Two specimens from Venado Beach, Panama City, A. A. OLSSON & MAXWELL SMITH Nautilus, Philad. 65 2 1951 p. 45 pl. 3 f. 4.

Epitonium (Stenorytis) paradisi sp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica, N.Y. 36 1951 p. 90 pl. iii f. 7; *E. (Punctiscala ?) colimanum* sp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 90 pl. iii f. 14; *E. (Nitidiscala) oerstedianum* p. 89 pl. iii f. 10; *durhamianum* sp. nov. p. 89 pl. iii f. 9 Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951; *E. (Cirsotrema) togatum* sp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 89 pl. iii f. 1, 5; *E. (Asperiscala) vivesi* p. 88 pl. iii f. 11; *E. (A.) manzanillense* p. 88 pl. iii f. 13; *E. (A.) walkerianum* p. 88 pl. iii f. 12 spp. nov. Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951; *E. chalceum* sp. nov. a single specimen from Venado Beach, Panama City, OLSSON & MAXWELL SMITH Nautilus, Philad. 65 2 1951 p. 44 pl. 3 f. 3; *Epitonium* in the Western Atlantic, W. S. CLENCH & R. D. TURNER 132.

Janthina, a report, F. E. BARNETT 60.

Scala clathrus in Netherland waters, B. J. J. R. WALRECHT 678.

Stiliger niger Lemche eggs and larvae figs., E. RASMUSSEN 549.

†*Scala franciscæ* p. 29 pl. v f. 1-3; *S. (Confusiscala) odilæ* p. 30 pl. v f. 4, 5 spp. nov. Albion Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949.

AGLOSSA

PYRAMIDELLACEA

Balcis (Balcis) corintonis p. 90 pl. vi f. 1; *B. (Vitrolina) drangai* p. 91 pl. vi f. 2; spp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Brachystomia rissoides (Hanl.) eggs and larvae figs., E. RASMUSSEN 549.

†*Fusispira inflata nepeana* Leray-Rockland beds, Ontario, p. 93 pl. xvi f. 6; *F. nobilis ingens* Cobourg beds, Ottawa p. 94 pl. xvii f. 5, 6; *F. n. medialis* Cobourg beds, Ottawa p. 95 pl. xvii f. 1; *F. subbrevis obesa* Cobourg beds, Ottawa p. 95 pl. xvi f. 7 vars. nov. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17.

†*Holopea lavinia conica* Leray-Rockland beds, Paquette Rapids, Ottawa River p. 80 pl. xiv f. 15; *H. nereis spiralis* Leray-Rockland beds, Allumette Is., Ottawa River p. 82 pl. xiv f. 11, 12 vars. nov. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17; *H. media* Cobourg beds, N. of Carling avenue, Ottawa p. 81 pl. xiv f. 3; *H. ottawaensis* Rockland beds, Hull, Quebec p. 83 pl. xiv f. 5 spp. nov. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17.

†*Microschiza (Cloughtonia) variabilis* sp. nov. Jurassic Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 7, 10 pl. i f. 10-13.

†*Subulites gloucesterensis* sp. nov. Leray beds, Ontario. Paleozoic of the Ottawa-St. Lawrence Lowland, A. E. WILSON Bull. geol. Surv. Can. 1951 17 p. 88 pl. xv f. 8.

Odostomia (Besla) caneloensis p. 102 pl. vii f. 3; *O. (Chrysallida) costaricensis* p. 103 pl. vii f. 9; *O. (Chr.) woodbridgei* p. 103 pl. iii f. 8; *O. (Chr.) guatulcoensis* p. 103 pl. vii f. 2; *O. (Chr.) corintoensis* p. 104 pl. viii f. 11; *O.*

(Telloda) subdotella p. 104 pl. viii f. 5; *O. (Evalea) gallegosiana* p. 104 pl. viii f. 1; *O. (Menestho) nicoyana* p. 105 pl. viii f. 3; *O. (Evalina) tehuantepecana* p. 105 pl. viii f. 7; *O. (Miralda) rhizophoræ* p. 105 pl. vii f. 1 spp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Telloda subgen. nov. of *Odostomia* p. 104 subgenotype *Odostomia (Scalenostoma) dotella* Dall & Bartsch 1909, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Turbonilla (Bartschella) vestæ p. 91 pl. vi f. 4; *T. (Careliopsis) belitana* p. 91 pl. vi f. 3; *T. (Chemnitzia) nicarazana* p. 92 pl. vi f. 8; *T. (Cingulina) realejoensis* p. 92 pl. v f. 2; *T. (Mormula) guatulcoensis* p. 92 pl. vi f. 9; *T. (Ptycheulimella) portoparkerensis* p. 92 pl. vi f. 10; *T. (Pyrgisculus) utuana* p. 93 pl. v f. 6, 8; *T. (Pyrgiscus) vivesi* p. 93 pl. vi f. 15; *T. (Pyrgiscus) dominicana* p. 93 pl. vi f. 6; *T. (Pyrgiscus) yolettæ* p. 94 pl. vi f. 13; *T. (Pyrgiscus) amiriana* p. 94 pl. vi f. 7; *T. (Pyrgiscus) colimana* p. 94 pl. vi f. 5; *T. (Pyrgiscus) zacæ* p. 95 pl. iii f. 3; *T. (Pyrgiscus) sulacana* p. 95 pl. vi f. 12; *T. (Pyrgiscus) templetonis* p. 95 pl. vi f. 11; *T. (Pyrgiscus) ayamana* p. 96 pl. vi f. 14; *T. (Pyrgiscus) otnirocensis* p. 96 pl. v f. 4; *T. (Pyrgiscus) ulyssi* p. 96 pl. v f. 10; *T. (Pyrgiscus) nicoyana* p. 96 pl. iii f. 4; *T. (Pyrgiscus) cholutecana* p. 97 pl. v f. 5; *T. (Pyrgiscus) chinandegana* p. 97 pl. v f. 3; *T. (Pyrgiscus) guanacastensis* p. 97 pl. v f. 11; *T. (Pyrgiscus) oxaneneana* p. 98 pl. v f. 15; *T. (Pyrgiscus) rhizophoræ* p. 98 pl. v f. 12; *T. (Pyrgiscus) biolleyi* p. 98 pl. iii f. 2; *T. (Pyrgiscus) ekidana* p. 99 pl. iv f. 8; *T. (Pyrgiscus) gordoniana* p. 99 pl. v f. 1; *T. (Pyrgiscus) ottomoerchi* p. 99 pl. iv f. 5; *T. (Pyrgiscus) tehuantepecana* p. 99 pl. v f. 7; *T. (Pyrgiscus) gruberi* p. 100 pl. iv f. 3; spp. nov. *Turbonilla (Pyrgolampros) soniliana* p. 100 pl. iv f. 2; *T. (Pyrgolampros) meanguerensis* p. 100 pl. iv f. 6; *T. (Strioturbonilla) masayana* p. 101 pl. iv f. 4; *T. (Str.) corintonis* p. 101 pl. iv f. 1; *T. (Str.) oaxacana* p. 101 pl. v f. 9; *T. (Str.) nahuatliana* p. 101 pl. v f. 14; *T. (Str.) contrerasiana* p. 102 pl. v f. 13; *T. (Str.) nicaraguana* p. 102 pl. iv f. 7; spp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG

Zoologica N.Y. 36 1951; *Turbonilla elegantissima* (Montagu) parasitic on the worms *Audouinia* and *Amphitrite* fig., V. FRETTER 234.

STENOGLOSSA

(α) RHACHIGLOSSA

MURICACEA

Acanthotrophon subgen. nov. p. 86 of *Trophon* subgenotype *Trophon* (*Acanthotrophon*) *sorenseni* sp. nov. p. 86 pl. ii f. 1 Gorda Bank, Gulf California, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Aspella bakeri sp. nov. Agua Verde Bay, Lower California, Mexico, L. G. HERTLEIN & A. M. STRONG Bull. S. Calif. Acad. Sci. 50 2 1951 p. 79 pl. 26 figs. 1-2.

Calotrophon gen. nov. p. 87 Muricidae subgenotype *C. briatolae* sp. nov. p. 87 pl. ii f. 2 Gorda Bank, G. of California, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Fuegotrophon subgen. nov. of *Trophon* subgenotype *Fusus crispus* Gould 1849 = *pallidus* (Brod.) 1832 Magellan, A. W. B. POWELL Discovery Reports 26 1951 p. 157.

Murex (*Murex*) *recurvirostris sallasi* subsp. nov. 60 m. N.W. of Cape Catoche, Quintano Ros, Mexico 18-20 fms., REHDER & ABBOTT Rev. Soc. Malac. Habana 8 2 1951 p. 55 pl. 9 f. 7, 8; *M. trunculus* and *M. brandaris* extract from purple gland and toxic property, BONNET & JULLIEN 89; *M. trunculus*, and *Murex brandaris* Toxic property of extract from the Purple gland, A. BONNET & A. JULLIEN 89; *M. trunculus* L. on the egg capsule, F. DULZETTO & G. LABRUTO 186; *Murex* method of boring, A. S. JENSEN 342; *Murex* (*Muricantha*) *sedgwicki vindobonensis* 'n. sp.' Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 46 pl. ii f. 17.

Muricopsis zeteki sp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 85 pl. ii f. 9.

Pareuthria venustula sp. nov. Between Cape Horn and Staten I. 56° 19½' S. 67° 09' W. 121 m., A. W. B. POWELL Discovery Reports 26 1951 p. 134 pl. vi f. 17.

Pterymotus (*Pteropurpura*) *swansoni* sp. nov. Exped. W. Coast Mexico and

Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 85 pl. ii f. 8, 12.

Purpura boring method, A. S. JENSEN 342; *P. clavigera* Mechanisms of the 'Oyster Drills' injurious to young *Ostrea gigas*, Y. TANAKA 637.

Rapana thomasi an enemy of the Clam culture in Japan, fig., A. R. CAHN 105.

Stramonitrophon subgen. nov. of *Trophon*, subgenotype *Trophon laciniatus* Martyn Straits of Magellan, A. W. B. POWELL Discovery Reports 26 1951 p. 156.

Trilonalia japonica an enemy to Clam culture in Japan, fig., A. R. CAHN 105.

Tromina tricarinata off Cape Bowles, Clarence Is. p. 135 pl. x f. 64, 65; *T. fenestrata* between Falkland Is. and Argentina p. 135 pl. vi f. 14; *T. bella* between Falkland Is. and Patagonia p. 136 pl. vi, f. 16; *T. simplex* N. of Falkland Is. p. 136 pl. v f. 15 spp. nov. A. W. B. POWELL Discovery Reports 26 1951.

Trophon echinolamellatus off Cape Bowles, Clarence Is. p. 152 pl. ix f. 44, 45; *T. scotianus* off South Georgia p. 153 pl. ix f. 48, 49; *T. poirieria* Bismark Strait, Palmer Archipelago p. 155 pl. ix f. 51; *T. cuspidarioides* off mouth of Cumberland Bay, South Georgia p. 155 pl. ix f. 50 spp. nov. *T. shackletoni paucilamellatus* subsp. nov. off C. Saunders, South Georgia p. 153 pl. ix f. 52, A. W. B. POWELL Discovery Report 26 1951.

Urosalpinx cinereus follyensis forma nov. (subsp.) Folly Creek, Accomac, Virginia, B. B. BAKER Nautilus 64 3 1951 75 pl. 5 f. 4.

Xymenopsis gen. nov. Muricidae type *Fusus liratus* Gould, Magellan, A. W. B. POWELL Discovery Reports 26 1951. p. 158.

Zacatrophon subgen. nov. p. 86 of *Trophon* subgenotype *Trophon* (*Boreotrophon*) *beebei* H. & S., HERTLEIN & STRONG Zoologica N.Y. 36 1951.

BUCCINACEA

Aesopus osborni sp. nov. Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 83 pl. xi f. 2.

Anachis coronata hannana p. 82 pl. ii f. 3 **subsp. nov.** *Anachis ritteri* p. 82 p. ii f. 11; *A. teevani* p. 83 pl. ii f. 5; *A. rehderi* p. 83 pl. ii f. 14 **spp. nov.** Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Busycon coarctatum (Sowerby) specimens from Campeche Bank, Yucatan, Mexico, figured, W. J. CLENCH 128.

Chlanidota pilosa 1 m. E. of Bouvet I. p. 139 p. viii f. 29, 30; *C. signeyana* off Signy I., South Orkneys p. 141, pl. viii, f. 34, 35; *C. paucispiralis* South Georgia p. 141 pl. viii f. 36, 37, A. W. POWELL Discovery Report 26 1951.

Cavineptunea **gen. nov.** 'Buccinulidae' [Buccinidae] type *Cavineptunea monstrosa* **sp. nov.** off South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 145 pl. viii f. 38, 39.

Eupleura caudata var. *etterae* **forma nov.** (subsp.) Birchtown Chineoteague, Virginia, B. B. BAKER Nautilus 64 3 1951 76 pl. 5 f. 5.

Falsimohnia **gen. nov.** 'Buccinulidae' [Buccinidae] type *Buccinum albozonatum* Watson, A. W. B. POWELL Discovery Reports 26 1951 p. 137.

Fasciolaria distans brankamae **subsp. nov.** off Puerto Alvaro, Oregon Tabasco, Mexico, REHDER & ABBOTT Rev. Soc. Malac. Habana 8 2 1951 59 pl. 8 f. 4, 5.

†*Fusus sarahensis* **sp. nov.** Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 23, 27 pl. vi f. 5.

†*Galeodes* (*Volema*) *cornuta hungarica* **var. nov.** Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 51 pl. iii f. 3.

Latirus socorroensis **sp. nov.** Socorro Island, Mexico, L. G. HERTLEIN & A. M. STRONG Bull. S. Calif. Acad. Sci. 50 2 1951 p. 76 pl. 26 fig. 8; *L. hemphilli* p. 79 pl. ii f. 4; *L. mediamericanus* p. 80 pl. xi f. 3, 10 **spp. nov.** Exped. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Nassariidae of West Coast of North America: Key to the Species, J. DESMOND 169.

Nassarius insculptus gordanus **subsp. nov.** Exped. W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 81 pl. viii f. 6.

Notoficula problematica between Falkland Is. and Argentina **sp. nov.** A. W. B. POWELL Discovery Reports 26 1951 p. 137 pl. vi f. 18.

Pfefferia Strebel 1908 "type here designated" *Pfefferia palliata* Strebel South Georgia non *Pfefferia* Gray 1853, A. W. B. POWELL Discovery Reports 26 1951 p. 142.

Probuccinum delicatulum Stromness Harbour to Larsen Point, South Georgia p. 144 pl. vii f. 28; *P. angulatum* North of South Georgia p. 145 pl. vii f. 27 **spp. nov.** A. W. B. POWELL Discovery Reports 26 1951.

Proneptunea fenestrata East Cumberland Bay p. 149 pl. vi f. 12; *P. duplicarinata* between South Georgia and Shag Rocks p. 150 pl. vi f. 13 **spp. nov.** A. W. B. POWELL Discovery Reports 26 1951.

Propefusus compositis **sp. nov.** Gabo Is. Southern N.S.W. extending into Victorian Waters, A. B. MAYBLUM Aust. Zool. 11 1951 p. 283 pl. xxvi f. 4.

Prosipho perversus **sp. nov.** off mouth of Stromness Harbour, South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 147 pl. vi f. 11.

Pseudoneptunea panamica **sp. nov.** Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 81 pl. ii f. 5, 10.

Pyrene parvula p. 146 pl. iv f. 12; *P. perparvula* p. 146 pl. iv f. 17; a few specimens of each in shell sand from Savinia; *P. saviniae* p. 147 pl. iv f. 16 Mauritius, R. VIADER Mauritius Inst. Bull. 3 2 1951.

†*Pyrene hilberiana* **sp. nov.** = *Columbella carinata* Hilber 1879 Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 49.

Strombina marksii **sp. nov.** Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 84 pl. ii f. 7.

Strombinoturris crockeri **sp. nov.** Exped. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 84 pl. i f. 9.

Tryonella a new generic name for *Tryonia* type *T. Valida* Stephenson 1941 non *Tryonia* Stimpson 1885, L. W. STEPHENSON J. Paleont. 25 5 1951 p. 700.

Tryonia, vide *Tryonella* nom. nov.
L. W. STEPHENSON 626.

VOLUTACEA

Admete consobrina sp. nov. N. of South Georgia 53° 52' 30" S. 36° 08' W., A. W. B. POWELL Discovery Reports 26 1951 p. 167 pl. x f. 63.

Ericusa sericata sp. nov. trawled 15 m. E.N.E. of Nelson Bay 5 m. due E. of Broughton Island, N. S. Wales, G. THORNLEY Proc. Roy. Zool. Soc. N. S. Wales 1949-50 (1951) p. 53 fig. 6.

Marginella woodbridgei sp. nov. San José, Guatemala, L. G. HERTLEIN and A. M. STRONG Bull. S. Calif. Acad. Sci. 50 2 1951 p. 80 pl. 26 figs. 3-4.

Miomelon scoresbyana sp. nov. between Falkland Is. and Strait of Magellan, A. W. B. POWELL Discovery Reports 26 1951 pl. 163 pl. ix f. 43.

†*Mitra goniphora austriaca* 'sp. nov.' [var. nov. ?] Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. geol. Pub. Hungarica 39 2 1950 p. 36.

Oliva drangai sp. nov. Pigeon Point, Tobago, British West Indies, J. S. SCHWENGEL Nautilus, Philad. 64 4 1951 p. 117 pl. 8 f. 2-3; *Oliva* species on opposite shores of the Gulf of California, D. S. & E. W. GIFFORD 249.

†*Pirifusus griesbachi* sp. nov. Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 27 pl. vi f. 7.

Siphovasum subgen. nov. of *Vasum* [sub.] genotype *Vasum latiriforme* Rehder & Abbott [q.v.], REHDER & ABBOTT Rev. Soc. Malac. Habana 8 2 1951 p. 61 pl. 9 f. 5, 6.

Vasum (*Siphovasum*) *latiriforme* sp. nov. G. of Mexico, REHDER & ABBOTT Rev. Soc. Malac. Habana 8 2 1951 61 pl. 9 f. 5, 6.

†*Vexillum* (*Uromitra*) *willcoxi coxianum* subsp. nov. Pliocene of St. Petersburg, Florida, W. G. FARGO Nautilus, Philad. 64 4 1951 p. 121 pl. 10 lower fig.

STENOGLOSSA

(β) TOXOGLOSSA

CONACEA

Belalora gen. nov. Turridae type *Belalora thiele* sp. nov. A. W. B. POWELL Discovery Reports 26 1951 p. 171.

Belaturricula gen. nov. Turridae type *Bela turrita* Strebel, A. W. B. POWELL Discovery Reports 26 1951 p. 170.

Clathurella erminiana sp. nov. Moll. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 71 pl. 1 f. 5.

Conorbela gen. nov. Turridae type *Bela antarctica* Strebel, A. W. B. POWELL Discovery Reports 26 1951 p. 170.

Conus clarki 50 miles south-southwest of Marsh Is., Iberia County, Luciana, Spain (lat. 28° 27.0' N., long. 92° 14.0' W.) in 29 fms. figs. 1-6; *C. austini* Southwest of Loggerhead Key, Dry Tortugas, Florida 40-46 fms. fig. 7 spp. nov. H. A. REHDER & R. T. ABBOTT J. Wash. Acad. Sci. 41 1 1951 p. 22; *Conus gloria-maris* an example in Darmstad Museum, W. E. ANKEL 23.

†*Conus primitivus* sp. nov. Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 40 pl. iv f. 28.

Crassispira drangai sp. nov. Hastings, Barbados, British West Indies, J. S. SCHWENGEL Nautilus, Philad. 64 4 1951 p. 116 pl. 8 f. 1; *C. turricula ballenaensis* subsp. nov. p. 73 pl. xi f. 4, 11; *C. chacei* p. 73 pl. i f. 12; *C. brujae* p. 74 pl. i f. 18; *C. ericana* p. 74 pl. i f. 11; *C. xanti* p. 74 pl. i f. 3; *C. tangolaensis* p. 75 pl. i f. 13 spp. nov. Moll W. Coast Mexico & Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Crockerella gen. nov. p. 78 Turridae genotype *Clathurella crystallina* Gabb with *Crockerella pedersen* p. 78 pl. i f. 15; *C. hilli* p. 79 pl. 1 f. 16 spp. nov. Exped. to West Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Cymatosyrinx arcensis p. 76 pl. i f. 17; *C. allyniana* p. 77 pl. i f. 7; *C. strohbeeni* p. 77 pl. i f. 14; *C. asaedai* p. 78 pl. i f. 4 spp. nov. Moll. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Cytharella burchi sp. nov. Exped. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 79 pl. i f. 6.

Elaeocyma craneana p. 75 pl. i f. 2; *E. salvadorica* p. 76 pl. xi f. 5, **spp. nov.** Moll. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Fenestellidae from the Carboniferous of the Russian platform, M. I. SHUL'GA-WESTERENKO 614.

Fusiturricula howelli **sp. nov.** Moll. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 72 pl. viii f. 8.

†*Gosavia bererensis* **sp. nov.** Upper Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 22 29 pl. vii f. 3.

Kylia turveri p. 76 pl. i f. 1; *K. zacae* p. 76 pl. i f. 5 **spp. nov.** Moll. W. Coast Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951.

Lorabela **gen. nov.** Turridae type *Bela pelseneri* Strebel, A. W. B. POWELL Discovery Reports 26 1951 p. 171.

Olivella bayeri from Miami to Key West p. 111 pl. 7 f. 2a-b; *O. moorei* 3 m. 100° from Carysfort Reef off Key Largo, Florida p. 112 pl. 7 f. 1a-b; **spp. nov.** R. J. ABBOTT Nautilus, Philad. 64 4 1951.

Pleurotomella ? anomalapex **sp. nov.** between Falkland Is. and Patagonia, A. W. B. POWELL Discovery Reports 26 1951 p. 173 pl. vi f. 19.

†*Rhaphitoma kostejana* **nom. nov.** for *Philbertia Peratoma subpurpurea* Boettger 1901 non Orbigny 1852, C. BEETS Med. Geol. Stichting Geol.-Bureau Heerlen C4 18 1950 p. 57.

Typhlodaphne **gen. nov.** p. 174 Turridae type *Bela purissima* Strebel 1908 with *T. strebeli* **sp. nov.** between Cape Horn and Staten I. p. 174 pl. ix f. 53, A. W. B. POWELL Discovery Reports 26 1951.

Opisthobranchiata

BULLACEA

†*Actaeon berambensis* **sp. nov.** Lower Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 14 21 pl. iv f. 12-13.

Actaeonina hourqi p. 7 *hourqi* p. 13 Jurassic pl. ii f. 9-10; G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948.

Atys (Aliculastrum) liriopae **sp. nov.** Moll. W. Coast of Mexico and Central America, HERTLEIN & STRONG Zoologica N.Y. 36 1951 p. 71 pl. viii f. 2.

Kaitoa scaphandroides **sp. nov.** West Cumberland Bay, South Georgia, A. W. B. POWELL Discovery Reports 26 1951 p. 179 pl. x f. 69, 70.

Philina falklandica **sp. nov.** between Falkland Is. and Patagonia, A. W. B. POWELL Discovery Reports 26 1951 p. 178 pl. vii f. 24; *P. aperta* L. parasitology and castration, L. ARVY 30; *P. japonica* an enemy of Clam culture in Japan fig., A. R. CAHN 105.

†*Ringinella hourqi* **sp. nov.** Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 40 pl. iv f. 29, 30.

Scaphander on the use of the name, J. L. BAILY 44.

†*Tornatellaea lacrymaeformis* **sp. nov.** Lower Cretaceous Madagascar, G. DELPEY Ann. géol. Serv. Mines Madagascar 15 1948 pp. 14 21 pl. iv f. 10-11.

APLYSIACEA

Aplysia [= *Tethys*] *badistes* **sp. nov.** from the Venetian Causeway Biscayne Bay, Florida, H. A. PILSBRY Notulae Nat. 240 1951 p. 4 f. 1-4.

Aplysiella webbii v. Benedin & Robb Castiglione 1940 Algeria, Anatomy and description figs., R. DIEUZEIDE 175.

Dolabella chemical contents in digestive system, Y. HASHIMOTO & K. ONOMA 287.

PTEROPODA

Alderia modesta (Lovén) eggs and larvae, figs., E. RASMUSSEN 549.

Biconulites and Australian oldest fossils, H. O. FLETCHER 251.

Clio recurva (Children 1823) occurring off coast of central California, and off San Miguel Id. California, S. S. BERRY 77.

Clionina longicaudata radula fig., A. FRANC 243.

Hyalocylis striata spermatogenises, G. VITAGLIANO & G. BACCI 672.

†*Hyolithella cuyanus* p. 12; *H. mendozanus* p. 13 Torellellidae spp. nov. Middle Cambrian Canota Argentina, C. RUSCONI Rev. Mus. Hist. nat. Mendoza 5 1/4 1951. *Hyolithella cuyanus* p. 12; *H. mendozanus* p. 13, Torellellidae mid Cambrian Canota, C. RUSCONI 582.

†*Hyolithellus* sp. Lower Cambrian near Addy, Washington, V. J. OKULITCH.

†*Hyolithes subulatus* sp. nov. Famennian 11–111 Mefis E. of Contamine Taouz, G. & H. TERMIER Notes and Mem. Serv. Carte géol. Maroc 79 1950 p. 114 pl. cexxxii f. 13–14 [? ubi?]; *H. peladensis* sp. nov. upper Cambrian, Canota, C. RUSCONI Rev. Mus. Hist. nat. Mendoza 5 1/4 1951 p. 5; *H. undulatus* p. 10; *H. (Orthotheca) longisulcatus* p. 11; *H. andinensis* p. 11; *H. huentotensis* p. 12 spp. nov. Middle Cambrian Canota Argentina, C. RUSCONI Rev. Mus. Hist. nat. Mendoza Argentina 5 1/4 1951.

†*Hyolithoconularia* gen. nov. Conulariidae genotype *H. striata* sp. nov. lower Devonian 600 m. from Tafraout, Deckra Ait Abdallah, G. H. TERMIER Notes and Mem. Serv. Carte géol. Maroc 79 1950 p. 114 pl. cexxxiii f. 21, 23.

†*Mesoconularia arcuata* sp. nov. Devonian N.W. Sidi Mohamed Mejdoub, G. & H. TERMIER Notes and Mem. Serv. Carte géol. Maroc 79 1950 p. 114 pl. cexxxii f. 3, 6.

†*Spiratella argustana* sp. nov. Alabama. New guide fossils from the Southeastern United States, J. GARDNER J. Wash. Acad. Sci. 41 1 1951 p. 10 fig. 2.

†*Tentaculites volkynicus* sp. nov. Devonian Volkynia, J. SAMSONOWICZ Acta géol. Polonica 1 4 1950 (1951) p. 459 pl. i f. 3–8.

†*Theca hefteri* sp. nov. Devonian Germany, J. SPRIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942 p. 147 pl. i f. 5.

Nudibranchiata

Nudibranchiata on a collection from the Red Sea—Anatomical figs., K. M. WHITE 693.

DORIDACEA

Argus Bohadsch discussion on use, and now suppressed, G. D. HANNA 279.

Chromodoris macfarlandi Alder to be spelt thus not *macfarlandi*, OPINIONS ETC 4.

Platydoris macfarlandi sp. nov. off Pismo Beach, San Luis Obispo Bay 86–88 fms., G. D. HANNA Nautilus, Philad. 65 1 1951 p. 1 pl. 2 f. 1–5.

AEOLIDIACEA

Favorinus branchialis (Müller) eggs and larvae figs., E. RASMUSSEN 549.

Pulmonata

Pulmonata the shell pigments of land species, A. COMFORT 145.

ELLOBIACEA

Carychium costatum sp. nov. Fayette Co. below Cane Branch Falls 1.3 m. S.W. of Gauley Bridge, Virginia, L. HUBRIGHT Nautilus, Philad. 65 2 1951 p. 59; *C. minimum* occurring at Blekinga, Öland and Vatterbygdén, T. GISLÉN 254.

Detracia clarki Florida p. 18 figs. 2, 6 *D. parana* Brazil p. 19 fig. 3 spp. nov. New pulmonate molluscs from Western Atlantic, J. P. E. MORRISON J. Wash. Acad. Sci. 41 1 1951.

Pythia scarabaeus (L.) growth changes in the shell figs., H. W. HARRY 285.

SIPHONARIACEA

Kergulenella [sic] err. pro *Kerguelenella* nom. nov. for *Kerguelenia* Rochebrune and Mabilie 1887 non Stebbing 1888 (Crustacea), type *Siphonaria lateralis* Gould 1846, A. W. B. POWELL Discovery Reports 26 1951 p. 181.

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Ancylidae of N.E. Brazil, D. T. DE LUCENA 426; Ancylidae of South and Central America, C. B. WURTZ 708.

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331; *Mytilus* sanitary control, L. LAMBERT 408; *Mytilus* Sanitary control in England, H. P. SHERWOOD 611; *M. californianus* an hermaphrodite example, R. T. YOUNG 722.

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†*Coelastarte lamellata* sp. nov. Fossils of South-west Madagascar, M. NICOLAI Ann. Paléont. 37 1 1951 p. 18 pl. v f. 2, 3.

†*Sphenotus baverensis* sp. nov. Devonian Germany, J. SPRIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942 p. 176 pl. 5 f. 2-5.

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†*Cardita* (*Venericardia*) aff. *libyca* Supposed Cretaceous of São Nicolau Is. (Cape Verde Islands,) Diagram, J. G. BEBIANO & J. M. P. SOARES 67.

†*Glibertia prosperi* gen. et sp. nov. Condyllocardiidae [monotypic] Pliocene lime kilns at Den Briel Netherlands and in fine shore deposits near Ritthem (type locality), J. v. d. MEULEN Basteria 15 3-4 1951 p. 49-53 pl. 1.

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†*Slava westfalica* sp. nov. Ordovician Europe, G. DAHMER Palaeontog. Stuttgart 101A 1-4 1951 p. 79 pl. ii f. 13, 14.

†*Venericardia pakistanica* p. 374 pl. 9 f. 27a, b; *V. soriensis* p. 375 pl. 13 f. 65 a-d; *V. trachycardiiformis* p. 376 pl. 13 f. 66a-d; *V. (Pteromeris?) umboniperdita* p. 376 pl. 13 f. 67a, b, spp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951.

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†*Veniella etheridgei renniei* var. nov. Albion Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 22 pl. iii f. 4, 4a.

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†*Anodontia* ? *augustana* sp. nov. Alabama new guide fossils from the Southeastern States, J. GARDNER J. Wash. Acad. Sci. 41 1 1951 p. 9 fig. 1.

†*Axinus obscurus* as genotype of *Schizodus* Palaeozoic Myophoriidae, L. R. COX 154.

†*Crassatellopsis hauchecorvei concentrica* var. nov. Devonian Germany, J. SPIESTERSBACH Abh. Reichsamts f. Bodenforschung N.F. 203 1942 p. 178 pl. 3 f. 18, 19.

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†*Diplodonta dilatata coslozzensis* var. nov. P. MALARODA Mem. Mus. Stor. nat. Verona 2 [1951] p. 183 f. 18 p. 182 pl. vii f. 5, 12; *D. pakistanica* p. 379 pl. 13 f. 69a-c; *D. soriensis* p. 380 pl. 13 f. 70a-b; *D. (?) punjabensis* p. 381 pl. 13 f. 71a-b spp. nov. Eocene Pakistan, F. L. EAMES Philos. Trans. Roy. Soc. 235B 627 1951.

Divalinga gen. nov. of Lucinidae type *Lucina quadrisulcata* Orb. (*L. pilula* C.B.A.) Florida, A. CHAVAN Bull. Inst. roy. Sci. nat. Belg. 27 18 1951 p. 6 f. 3-4.

Divalinga s. s. subgen. nov. of *Divalinga* gen. nov. [q.v.], A. CHAVAN Bull. Inst. roy. Sci. nat. Belg. 27 18 1951 p. 6.

†*Divalinga* (*Stechepinskya*) *palmerae* sp. nov. Lutetian Amblainville (Oise), A. CHAVAN Bull. Inst. roy. Sci. nat. Belg. 27 18 1951 p. 9 f. 11-12; *D. (Viaderella)*

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†*Eodivaricella* subgen. nov. of *Pompholigina* subgenotype *Divaricella openheimi* Newton, A. CHAVAN Bull. Inst. roy. Sci. nat. Belg. 27 18 1951 p. 23 f. 27.

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Paralucina subgen. nov. of *Lucinella* subgenotype *Lucina undulata* Lk., A. CHAVAN Bull. Inst. roy. Soc. nat. Belg. 27 18 1951 p. 11 f. 15-16.

†*Phacoides pakistanicus* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. **235B** 627 1951 p. 386 pl. 13 f. 75a-b.

†*Sphaera besairiei* sp. nov. Albanian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar **16** 1949 p. 20 pl. iii f. 2-2a.

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†*Discors punjabensis* p. 413 pl. 15 f. 106a-b; *D. soriensis* p. 414 pl. 14 f. 83; *D. nemocardiiformis* p. 415 pl. 16 f. 108a-b spp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. **235B** 627 1951.

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†*Parvidacna* gen. nov. Cardiidae genotype *Parvidacta planicostata* sp. nov. Upper Pontian Serbia T. STEVANOVIC Bull. Mus. d'Hist. nat. Serbe **A** 3 1950 **96**, **97**, **104**, **105** pl. iii f. 1-5 pl. iv f. 1-13.

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†*Trachycardium pseudogigas* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. **235B** 627 1951 p. 411 pl. 16 f. 107a-c.

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†*Chione multilamella subequilateralis* var. nov. R. MALARODA Mem. Mus. Stor. nat. Verona **2** [1951] p. 74 pl. vi f. 17, 18 pl. v f. 4; *C. praecursor subaequilateralis* var. nov., R. MALARODA Mem. Mus. Stor. nat. Verona **2** [1951] p. 177 pl. v f. 7, 10.

†*Circe* (*Gouldia* ?) *tenuicostata* sp. nov. R. MALARODA Mem. Mus. Stor. nat. Verona **2** [1951] p. 177 pl. vi f. 23, 24 text-figs. p. 182 5, 6.

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†*Dosinia rakhiensis* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. **235B** 627 1951 p. 431 pl. 17 f. 121a, b.

†*Macrocallista* (*Costacallista*) *punjabensis* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. **235B** 627 1951 p. 426 pl. 14 f. 84a, b pl. 17 f. 120a, b.

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†*Meretrix (Callista) tournoueri sub-symetrica* var. nov., R. MALARODA Mem. Mus. Stor. nat. Verona 2 [1951] p. 179 pl. vi f. 28.

†*Paphia* in Hokkaido, J. HARLAN JOHNSON & H. L. FOSTER 282.

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†*Ptychomya mexicana* p. 270 f. 1-10 sp. nov. *P. m. tehuacanensis* p. 275 f. 11-13 var. nov. Cretaceous Mexico, F. K. G. MULLEREID Ciencia, Mexico 8 10-12 1947.

†*Rakhia trapezoidalis* gen. et sp. nov. Lower Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951 p. 424 pl. 17 f. 118a, b.

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†*Tivela mactroides* Born., in Trinidad proportion of right and left valves on beaches, P. MARTIN-KAYE 446.

†*Venerella parva* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951 p. 425 pl. 17 f. 119a, b.

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†*Macoma safaedensis* p. 398 pl. 15 f. 96a-c, 97a-c; *M. panobaensis* p. 399 p. 15 f. 98 a, b; *M. soriensis* p. 399 pl. 13 f. 79a, b; *M. ovatitriangularis* p. 400 pl. 13 f. 80a, b. spp. nov. Eocene Pakistan F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951.

†*Macrosolen pakistanicus* p. 405 pl. 15 f. 103a-b; *M. pseudoannuliferus* p. 406 pl. 15 f. 104 spp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951.

†*Psammobia dalpiazii* sp. nov. R. MALARODA Mem. Mus. Stor. nat. Verona 2 [1951] p. 184 f. 11 p. 182 pl. vi f. 2; *P. flabellum* sp. nov. Mauritius, valves, R. VIADER Mauritius Inst. Bull. 3 2 1951 p. 143 pl. v f. 3.

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†*Solecirtus soriensis* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951 p. 433 pl. 17 f. 123.

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†*Aloidis carinata rostrata* var. nov. Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 87 pl. vi f. 6, 7.

†*Corbula pakistanica* p. 436 pl. 17 f. 124a, b; *C. rakhiensis* p. 436 pl. 14 f. 86a, b; *C. soriensis* p. 437 pl. 14 f. 87a-c; *C. punjabensis* p. 438 pl. 14 f. 88a-c; *C. pseudorakhiensis* p. 439 pl. 14 f. 89a-c; *C. (Varicorbula) pseudopisum* p. 441 pl. 14 f. 90; *C. (V.) pseudocicer* p. 442 pl. 17 f. 126a-d spp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951; *C. hourcqi* sp. nov. Albian Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 16 1949 p. 28 pl. iv f. 6-13; *C. lyrata* var. *paucicostata* var. nov. pl. v f. 6; *C. besairiei* sp. nov. pl. v f. 7 Fossils of South-West Madagascar, M. NICOLAI Ann. Paléont. 37 1 1951 p. 23.

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†*Sphenia minima* sp. nov. Tortonian Hidas Hungary, C. I. MESNERICS Ann. Inst. géol. Pub. Hungarica 39 2 1950 p. 89 pl. vi f. 8, 9.

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†*Lyconcia pakistanica* sp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951 p. 449 pl. 14 f. 91a, b.

†*Myopholas acuticostata madagascariensis* var. nov. Fossils of South-West Madagascar, M. NICOLAI Ann. Paléont. 37 1 1951 p. 11 pl. iv f. 9.

†*Vlasta americana* sp. nov. Ordovician of North America, M. A. FRITZ J. Palaeont. 25 5 1951 p. 697 text-figs. 1-4; *Vlasta* The Pelecypod genus in the Ordovician of North America figs., M. A. FRITZ 237.

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†*Neaeroposomya pakistanica* p. 451 pl. 14 f. 92a-c; *N. soriensis* p. 452 pl. 14 f. 92a-c spp. nov. Eocene Pakistan, F. E. EAMES Philos. Trans. Roy. Soc. 235B 627 1951.

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†*Bostrychoceras polyplacum* (Roemer) in Norfolk Chalk, J. A. JELETZKY 341.

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†*Cravenoceras hesperium* Newgoniatite locality in the White Pine Shale of Nevada, W. YOUNGQUIST & A. K. MILLER 724.

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†*Erymnocerites* gen. nov. Pachyceratidae type *E. argoviensis* sp. nov. A. JEANNET, Beitr. Geol. Schweiz. Ser. Geotech. **13** 5 1951 p. 123 pls. 43, 44 text-figs. 285-286.

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†*Goniatis sphaericus* (Sowerby (J.) 1814) be added to "Official List," MUIR-WOOD & STUBBLEFIELD 478; *G.* named in Martin's Petrificata Derbensis 1809, C. J. STUBBLEFIELD 633.

†*Hercoglossa maracaiboensis* sp. nov. Eocene of Maracaibo, Venezuela, A. K. MILLER & C. COLLINSON J. Paleont. 25 3 1951 p. 377 pl. 58 f. 1, 2.

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†*Holcstephanus leanzai* sp. nov. Hauterivian Argentina, A. T. Y. GIOVINE Riv. Assoc. Geol. Argentina 5 2 1950 p. 38 pl. ii f. 1, 3.

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costata p. 23 pl. xxvi f. 1-1b; *M. (B.) aculeata* p. 23 pl. xxvi f. 2, 2a; *M. (B.) tenuis* p. 24 pl. xxv f. 2-2b; *M. (B.) bifidata* p. 25 pl. xxvi f. 3; *M. (B.) rochi* p. 25 pl. xxvii f. 2-2b; *M. (Australiella) sub Australis* p. 27 pl. xxvii f. 3, 3a; *M. (A.) moreti* p. 28 pl. xxviii f. 2, 2b; *M. (A.) antsirasaensis* p. 28 pl. xxviii f. 3, 3a; *M. (Delawarella) subdelawarensis* p. 32 pl. xxix f. 1-2b; *M. (D.) s. lenticularis* p. 34 pl. xxx f. 1, 1a; *M. (D.) jeanneti* p. 34 pl. xxx f. 3-3b; pl. xxxi f. 1-1b; *M. (D.) j. compressa* p. 36 pl. xxxi f. 2, 2a; *M. (D.) bassae* p. 36 pl. xxxi f. 3; *M. (D.) roedereri* p. 38 pl. xxxii f. 1-1b spp. et vars. nov. Neocretaceous Madagascar, M. COLLIGNON Ann. géol. Serv. Mines Madagascar 14 1948.

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†*Peltoraspailites* subgen. nov. of *Raspailites*, type *P. argoviensis* sp. nov. p. 197 pl. 82 f. 2-3 text-figs. 469; *P.*

caroliniae sp. nov. p. 198 pl. 81 f. 6 text-figs. 470-471 Herznach, A. JEANNET Beitr. Geol. Schweiz. Ser. Geotech. **13** 5 1951.

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†*Pseudocampylites* gen. nov. Oppelidae, Hecticoceratinae type *P. jolleri* sp. nov. Upper Oxfordian Herznach, A. JEANNET Beitr. Geol. Schweiz. Ser. Geotech. **13** 5 1951 p. 78 pl. 19 f. 4-5 text-figs. 175-176.

†*Pseudogregoryceras* subgen. nov. of *Gregoryceras* type *P. iteni* sp. nov. p. 200 pl. 78 f. 4 pl. 30 f. 6 text-figs. 474-475; *P. tiechei* p. 201 pl. 88 f. 3 text-figs. 476-477 spec. nov. Callovian Herznach, A. JEANNET Beitr. Geol. Schweiz. Ser. Geotech. **13** 5 1951.

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†*Richeiceras* gen. nov. of Oppelidae Taramelliceratinae type *R. pichleri* (Oppel.) Oxfordian, A. JEANNET Beitr. Geol. Schweiz. Ser. Geotech. 13 5 1951 p. 95.

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